

What is claimed is:

1. A color thermal printer for recording an image on a thermosensitive color recording paper, said thermosensitive color recording paper having first- N^{th} (N is an integer number of at least 2) coloring layers, a printing of said coloring layers being performed from said first coloring layer as an uppermost coloring layer by a thermal head sequentially toward a paper base, said first- $(n-1)^{\text{th}}$ coloring layers being fixed with first- $(n-1)^{\text{th}}$ fixing light having a respective specific wavelength range shortly after heated, said color thermal printer comprising:

a fixing device for irradiating said first- $(n-1)^{\text{th}}$ fixing light selectively to said thermosensitive color recording paper;

an input device for inputting information for setting a light quantity of said fixing light for each said coloring layer, said light quantity of each said fixing light being predetermined in accordance with a sort of said thermosensitive color recording paper; and

a controller for controlling said fixing device such that each said coloring layer may be illuminated by said fixing light in said light quantity that depends on said information.

2. A color thermal printer as claimed in claim 1, wherein said thermosensitive color recording paper is rolled around a roll core, and said information is recorded on said roll core, and said input device is an information reading device disposed so as to confront to said roll core.

3. A color thermal printer as claimed in claim 2, wherein said information is a code.

4. A color thermal printer as claimed in claim 3, wherein said information is fixing sensitivity.

5 5. A color thermal printer as claimed in claim 3, wherein the number N is three, said first coloring layer is a yellow coloring layer, said second coloring layer is a magenta coloring layer, and said third coloring layer is a cyan coloring layer, .

10 6. A color thermal printer as claimed in claim 5, wherein a peak of said first fixing light in a wavelength range is around 420 nm, and a peak of said second fixing light in a wavelength range is around 365 nm.